



Equipped with AEM® *Dryflow™ Filter*
No Oil Required!

INSTALLATION INSTRUCTIONS

PART NUMBER: 22-512

2004-2005 ACURA TSX L4-2.4L

C.A.R.B. E.O. # D-670

PART LIST

Description	Qty.	Part Number
Element Parts Kit 3.00 X 5" Dry Ele.	1	21-203DK
Heat Shield	1	20-512
Short Pipe	1	2-5121
Hose, Adapter 2.75/3.00 X 3" Bl.	1	5-273
Mount, Rubber 5/8" X 6mm	1	1228598
Mount, Rubber 1" X 6mm	2	1228599
Grommet, 3/8"	1	784633
Coupler, Oil Trap	1	8-135
Spring Clamp, Oil Trap	1	8-700
Bracket	1	2-677
Bolt, Hex/Flange M6-1 X 20	1	1-2038
Washer, 6mm Soft Mount	3	559999
Washer, 1/4 SAE Flat	1	1-3028
Nut, M6 Hex Serrated	4	444.460.04
Hose Clamp, 3/4"	2	4093-5
1/2" Bnd. Hose Clamp, 2.56"-3.50"	1	9448
1/2" Bnd .Hose Clamp, 2.31-3.25"	1	9444
1/2" Bnd. Hose Clamp, 2.90"-3.75"	1	9452
Hose; 1/2"ID X 7"L	1	5-5007

Read and understand these instructions **BEFORE** attempting to install this product. Failure to follow installation instructions and not using the provided hardware may damage the intake tube, throttle body and engine.

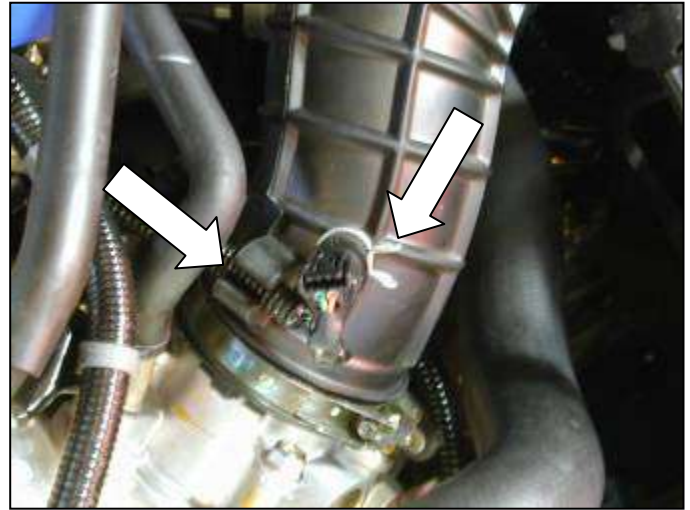
1. Preparing Vehicle

- a. Make sure vehicle is parked on level surface.
- b. Set parking brake.
- c. If engine has run in the past two hours, let it cool down.
- d. Lift the plastic battery cover and disconnect both battery terminals.
- e. Do not discard stock components after removal of the factory system.

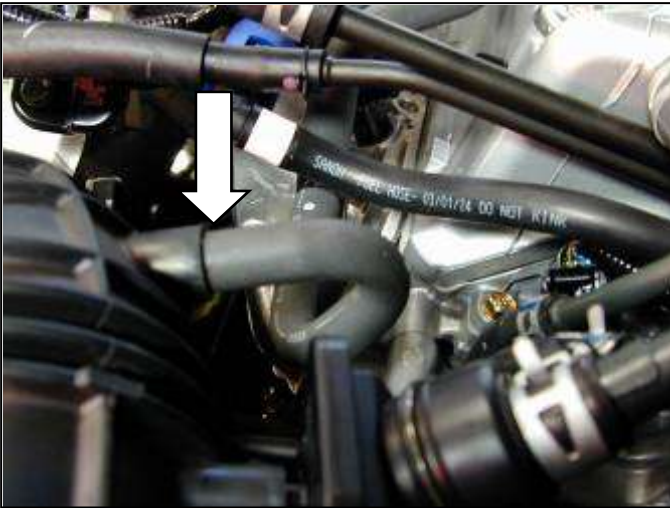
2. Removal of stock system



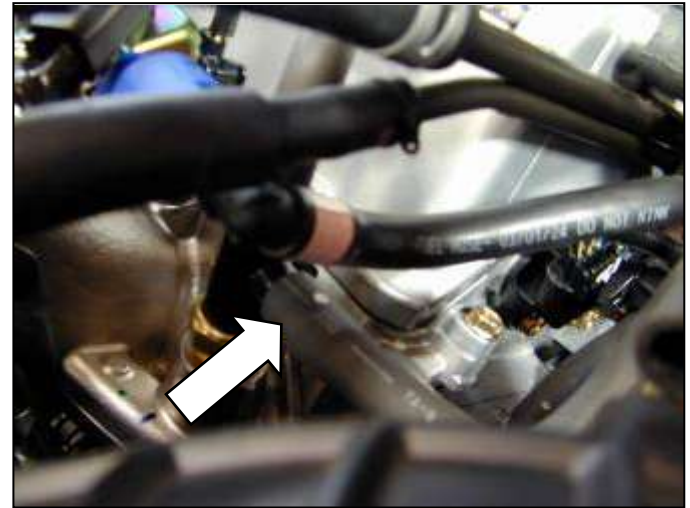
a. Loosen the hose clamp at the throttle body that secures the inlet tube.



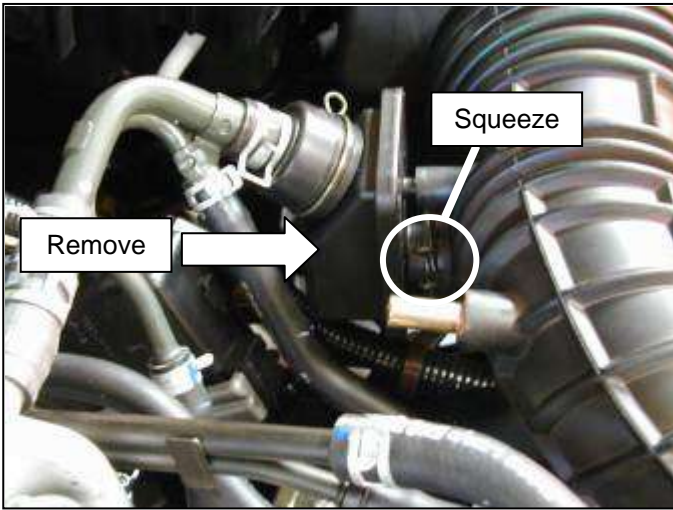
b. Squeeze the clamp holding the Inlet Air Temperature (IAT) sensor. Remove IAT sensor from inlet air tube. Remove wiring harness from the inlet air tube.



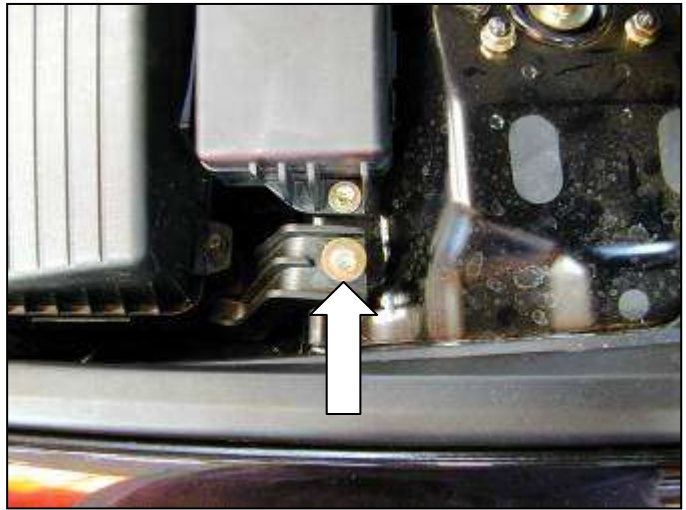
c. Remove breather hose from the inlet air tube



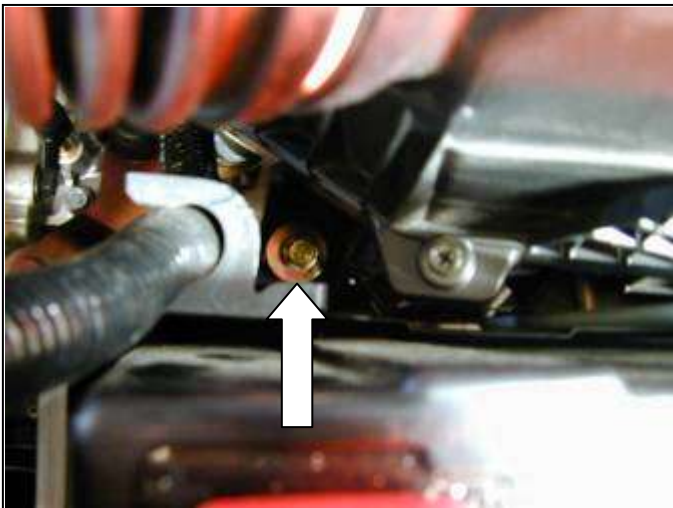
d. Disconnect the other end of the breather hose from step 2c. *Be careful not to damage the plastic nipple.*



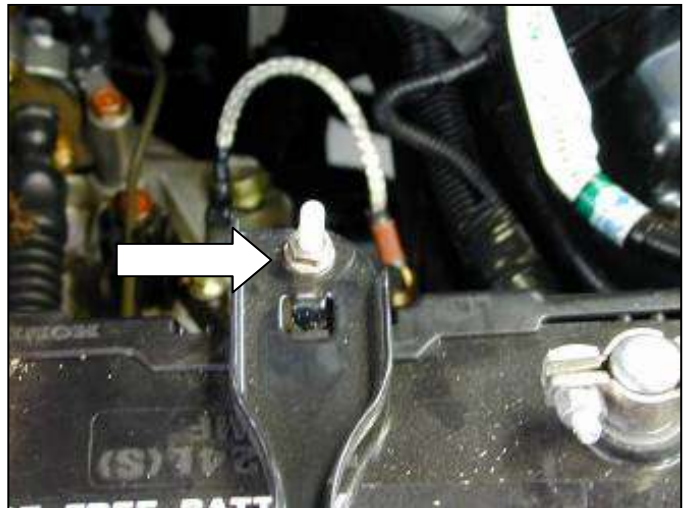
e. Squeeze clamp and remove oil trap from the inlet air tube.



f. Loosen and remove the top bolt on the air box bracket.



g. Loosen and remove the bottom bolt to the air box. Remove inlet air tube and air box assembly.



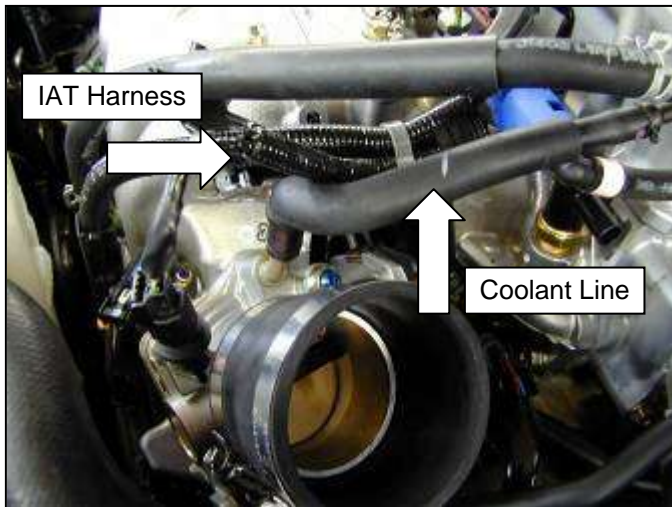
h. Loosen and remove the nut to the battery bracket.



i. Remove bracket bolt. This bolt will be reused in the installation.

3. Installation of AEM® intake system.

a. When installing the intake system, do not completely tighten the hose clamps or mounting hardware until instructed to do so.



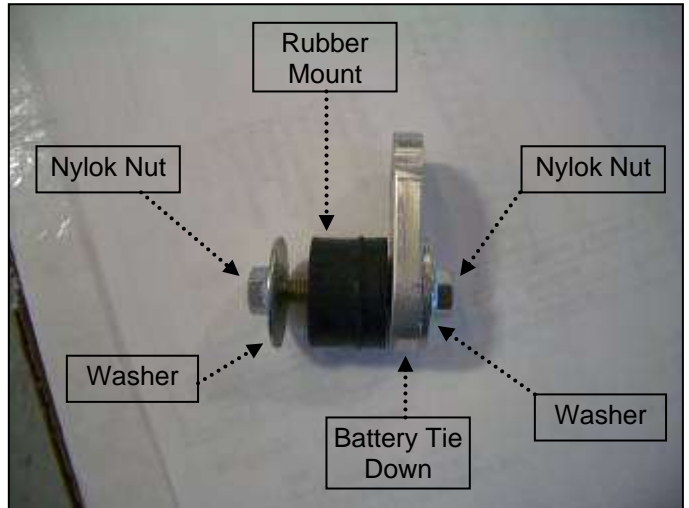
b. Make sure the IAT sensor wiring harness is above the coolant line.



c. Attach reducer coupler with hose clamps as shown. Use the #44 hose clamp on the throttle body side and the #48 on the opposing side.



d. Insert 1" rubber mount toward the body. Tighten rubber mount to the bracket.



e. Assemble second rubber mount, 5/8". On one end attach fender washer and nylok nut, do not tighten. On the other end, attach the battery tie down, fender washer, nylok nut and then tighten hardware.



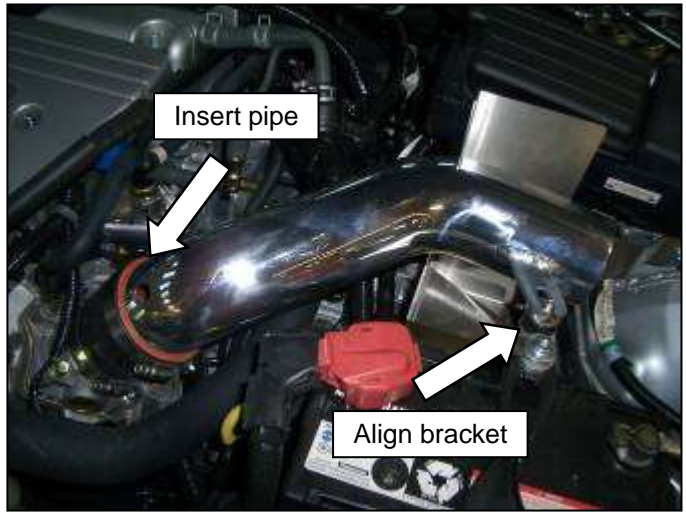
f. Insert the heat shield and attach to open rubber mount from step 3d. Attach a fender washer and nylok nut, tighten.



g. Secure the heat shield with the bolt removed in step 2i.



h. Attach the rubber mount assembly to the battery bracket. Secure with the original nut. Secure the heat shield with provided washer and nylok nut.



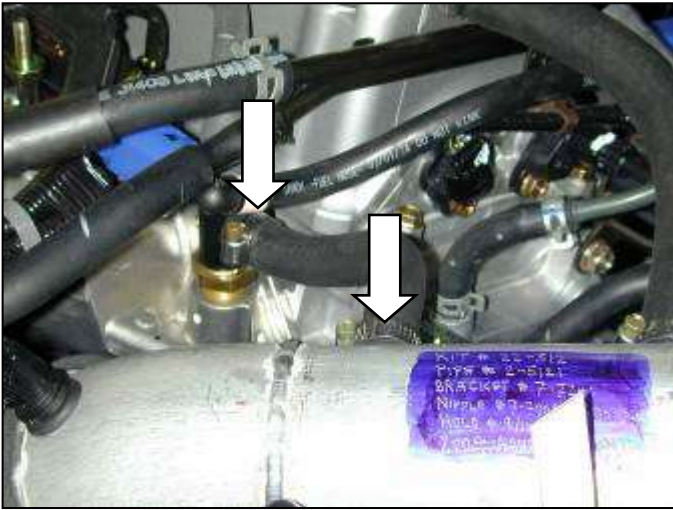
i. Insert the inlet pipe into the coupler. Align the inlet pipe with the rubber mount.



j. Insert grommet.



k. Insert Inlet Air Temperature (IAT) sensor.



l. Attach breather hose to the crankcase and to the nipple perpendicular to the inlet pipe. Secure with hose clamps. Make sure the hose does not kink.

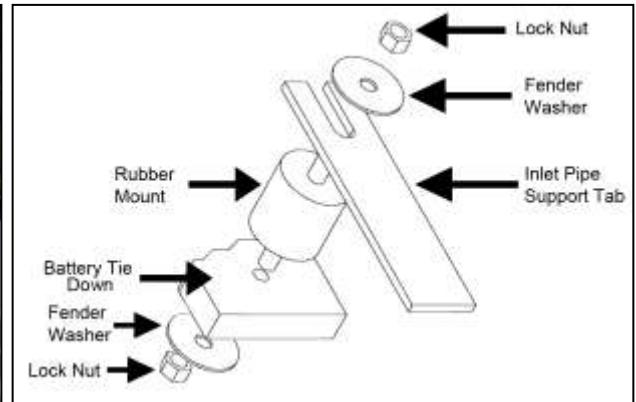


m. Remove the hose clamp from the stock inlet tube.



n. Attach the oil trap coupler to the oil trap and secure with the clamp from step 3m. Secure the oil trap coupler to the angled nipple on the inlet pipe with provided spring clamp.

NOTE: This intake system is designed to use the factory oil trap, failure to use the oil trap will result in poor performance and possible engine damage may result.



o. Secure inlet pipe to the rubber mount. Attach the air filter and secure.

Proper installation of rubber mount assembly.

4. Reassemble Vehicle

- a. Position the inlet pipes for the best fitment. Be sure that the pipes or any other components do not contact any part of the vehicle. Tighten the rubber mount, all bolts, and hose clamps.
- b. Check for proper hood clearance. Re-adjust pipes if necessary and re-tighten them.
- c. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- d. Reconnect negative battery terminals and start engine. Let the vehicle idle for 3 minutes. Perform a final inspection before driving the vehicle.

5. CARB Sticker Placement

- a. The C.A.R.B. exemption sticker, (attached), must be visible under the hood so that an emissions inspector can see it when the vehicle is required to be tested for emissions. California requires testing every two years, other states may vary.

6. Service and Maintenance

- a. It is recommended that you service your AEM[®] Dryflow™ filter every 20,000 miles for optimum performance. Use AEM Dryflow cleaning kit part # 21-110.
- b. Use aluminum polish to clean your polished AEM[®] intake tube.
- c. Use window cleaner to clean your powder coated AEM[®] intake tube. **(NOTE: DO NOT USE aluminum polish on powder coated AEM intake tubes).**